



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

#8

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

LM02/0327

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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/05/98	04/08/98	024	BAROT, B	2758 03/27/00
First Named Applicant	35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION: WIRELESS COMMUNICATION DEVICE WITH MARKUP LANGUAGE BASED MAN-MACHINE INTERFACE

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2 3228	709-218.000	K21	UTILITY	YES	\$605.00	06/27/00

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

**I. Review the SMALL ENTITY status shown above.**

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

**II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.**

**III. All communications regarding this application must give application number and batch number.**

Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

PATENT AND TRADEMARK OFFICE COPY

## Notice of Allowability

Application No.  
09/057,394

Applicant  
Adam De Boor et al.

Examiner  
Bharat Barot

Group Art Unit  
2758



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to amendment filed on 03/06/2000

☒ The allowed claim(s) is/are 2-5, 16-30, 33, 34, 38, 40, and 42

☒ The drawings filed on Mar 6, 2000 are acceptable. (PAPER #6)

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☒ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☐ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☐ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. \_\_\_\_\_

☐ including changes required by the proposed drawing correction filed on \_\_\_\_\_, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

### Attachment(s)

☐ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 02

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☐ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

ZARNI MAUNG  
PRIMARY EXAMINER

Art Unit: 2758

1. Applicant's response for claims 1-42 and amendment for claims 2 and 42 have been received on March 06, 2000 (Paper number 07), and considered.

**Reasons for Allowance**

2. The following is an Examiner's Statement of Reasons for Allowance :

Claims 2-5, 16-30, 33-34, 38, 40, and 42 are allowable over the prior art of record. The prior art of record does not teach or suggest or render obvious a browser program product for controlling the operation of a wireless communication device, the browser program product includes a shell for receiving a URL having data and protocol, specifying a command to be executed or content to be fetched, providing the data to a protocol handler according to the protocol, and the fetched content to a content handler for processing; a plurality of protocol handlers, each protocol handler coupled to the shell to receive a URL and either fetch content specified by the data and provide the fetched content to the shell or execute the command specified by the data; and a plurality of content handlers, each content handler coupled to the shell to receive fetched content and process the fetched content to output the content to a screen display of the wireless communication device as set forth in the specification and recited in the independent claims 2, 40, and 42.

Art Unit: 2758

The plurality of protocol handlers, which implemented different protocols for accessing various functions of the wireless communication device such as softkeys for displaying a menu of the menu items (claims 16-17), navigation function for scrolling a markup language page or a portion of the markup language page (claims 28-30), and special function for combining a plurality of stored data into a URL and submitting the URL to a server for processing (claim 38); and the plurality of content handlers, which implement various content display mechanisms for fetching and outputting content on a screen display of the wireless communication device such as displaying a combined markup language page (claims 18-20), displaying a page of configuration setting according to a selection attribute (claims 21-24), and displaying a page according to a conditional tag having an expression (claims 25-27) at set forth in the specification and recited in the independent claims 33 and 34.

3. Any comments considered necessarily by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2758

**Contact Information**

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Bharat Barot** whose telephone number is (703) 305-4092. The examiner can normally be reached on Monday-Friday from 7:00 AM to 4:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Ahmad Matar**, can be reached on (703) 305-4731. The fax phone number for examiner's Art Unit or Group is (703) 305-9731.

Any inquiry of general nature or relating to the status of this application should be directed to the group receptionist whose telephone number is (703) 305-3900.

*B/B*

Patent Examiner Bharat Barot

Art Unit 2758

March 22, 2000

  
ZARNI MAUNG  
PRIMARY EXAMINER